


1907

Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine, 1907-1908

University of Nebraska College of Medicine

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DR. WILLIAM F. MILROY
OMAHA, NEB.

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University Bulletins

Series XII. Number 5

THE UNIVERSITY OF NEBRASKA

THE COLLEGE OF MEDICINE

ANNOUNCEMENT

1907-1908



APRIL 1907
THE UNIVERSITY PRESS
Lincoln, Nebraska

DR. WILLIAM F. MILLER
OMAHA, NEB.

The bulletins of the University are issued one or more every month during the college year. One each is issued for the Graduate School, the College of Literature, Science and the Arts, the Industrial College, the College of Law, the College of Medicine, and the schools of Art, Agriculture, Domestic Science, Mechanic Arts, and Music. The bulletins are entered at the Lincoln post-office as second-class matter. They are furnished gratuitously, postage paid, to all who apply for them. In asking for bulletins, name the department of the University concerning which information is desired. Address

THE REGISTRAR,

THE UNIVERSITY OF NEBRASKA,
Lincoln, Nebraska.

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CALENDAR

THE COLLEGE OF MEDICINE

FOR THE WORK IN LINCOLN

1907

September 17	Tuesday	First Semester begins.
September 17-20	Tuesday-Friday	Entrance examination and registration.
September 21	Saturday	Opening address by the Chancellor.
November 27	Wednesday, 6 P. M.	Thanksgiving recess begins.
December 2	Monday, 8 A. M.	Thanksgiving recess ends.
December 20	Friday, 6 P. M.	Christmas vacation begins.

1908

January 6	Monday, 8 A. M.	Christmas vacation ends.
January 27-31	Monday-Friday	First Semester examinations. Examination and registration for the second Semester.
February 3	Monday	Second Semester begins.
April 15	Wednesday, 6 P. M.	Easter recess begins.
April 22	Wednesday, 8 A. M.	Easter recess ends.

FOR THE WORK IN OMAHA

1907

September 17	Tuesday	Opening address.
September 18	Wednesday	Lectures begin.
November 27	Wednesday, 6 P. M.	Thanksgiving recess begins.
December 2	Monday, 8 A. M.	Thanksgiving recess ends.
December 20	Friday, 6 P. M.	Christmas vacation begins.

1908

January 6	Monday	Christmas vacation ends.
January 27-31	Monday-Friday	First Semester examinations.
February 3	Monday	Second Semester begins.
February 22	Saturday	Washington's birthday—holiday.
May 8	Friday	All lectures end.
May 9-20	Saturday-Wed.	Examinations.
May 21	Thursday	Commencement.

THE UNIVERSITY

THE UNIVERSITY OF NEBRASKA includes the following colleges and schools:

THE GRADUATE SCHOOL. Courses leading to the degree of Master of Arts and Doctor of Philosophy.

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS. A four year course leading to the degree of Bachelor of Arts.

THE INDUSTRIAL COLLEGE (including the agricultural, engineering, and scientific groups). A four year course leading to the degree of Bachelor of Science.

THE COLLEGE OF LAW. A three year course leading to the degree of Bachelor of Laws.

THE COLLEGE OF MEDICINE. A four year course leading to the degree of Doctor of Medicine.

THE SCHOOL OF FINE ARTS. Instruction in drawing, painting, wood-carving, modeling, etching, and the history of art.

THE SCHOOL OF MUSIC. Affiliated with the University. Instruction in all grades of instrumental and vocal music.

THE SCHOOL OF AGRICULTURE. A secondary school training primarily for practical farm life.

THE SCHOOL OF MECHANIC ARTS. A secondary school teaching the principles of practical mechanics.

THE SUMMER SESSION. A six weeks course primarily for teachers.

THE NEBRASKA EXPERIMENT STATION and the EXPERIMENTAL SUB-STATION at North Platte are also in charge of the Board of Regents.

**THE FACULTY OF THE COLLEGE
OF MEDICINE**

ELISHA BENJAMIN ANDREWS, LL.D.

Chancellor and President of the University Senate
Administration Hall 101

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Dean of the College of Medicine and Professor of Zoology
Administration Hall 104

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THE COLLEGE OF MEDICINE

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Nebraska Hall 302

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Nebraska Hall 5

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THE COLLEGE OF MEDICINE

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CHARLES EDWARD REMY
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Mechanic Arts Hall 300

THE UNIVERSITY OF NEBRASKA

DISPENSARY STAFF

SUPERINTENDENT OF DISPENSARY: DOCTOR BLISS

INTERNAL MEDICINE

PROFESSOR BRIDGES PROFESSOR MILROY

ASSISTANTS:

DOCTOR TRUELSEN DOCTOR EDGINGTON DOCTOR BLISS DOCTOR GOETZ

SURGERY

PROFESSOR JONAS PROFESSOR DAVIS

ASSISTANTS: DOCTOR MORISON DOCTOR HOLLISTER

EYE AND EAR

PROFESSOR GIFFORD

DOCTOR BICKNELL DOCTOR LEMERE

ASSISTANT: DOCTOR PATTON

NOSE AND THROAT

PROFESSOR OWEN

ASSISTANTS: DOCTOR LEMERE DOCTOR WHERRY

PEDIATRICS

PROFESSOR McCLANAHAN

ASSISTANT: DOCTOR B. W. CHRISTIE

OBSTETRICS

PROFESSOR SOMERS

ASSISTANT: DOCTOR POLLARD

GYNECOLOGY

PROFESSOR FINDLEY

ASSISTANTS: DOCTOR HEANEY DOCTOR JEFFERSON DOCTOR FAIRCHILD

NERVOUS DISEASES

PROFESSOR AIKIN

DERMATOLOGY

PROFESSOR SCHALEK

ASSISTANT: DOCTOR MERCER

GENITO-URINARY SURGERY

ARTHUR CHARLES STOKES

DRUG ROOM

ALBERT ADOLPH FRICKE, PH.G.

THE COLLEGE OF MEDICINE

ORGANIZATION

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and has experienced strong and steady growth.

As an integral part of the University the College has been able to reorganize its work along the most advanced lines. The requirements for entrance have been placed on a level with those of the best medical colleges, thus preparing the student properly for the improved advantages at his disposal.

The work of the first two years is carried on at Lincoln, where the University places at the disposal of the student, at the beginning of his course in medicine, advantages such as but comparatively few medical schools in the country offer. The University's laboratories, directed by men of thorough training and large experience, who devote their entire time to instruction and supervision, are well equipped with modern appliances.

The work of the last two years is done exclusively at the College in Omaha, where are now afforded unusual clinical facilities, but which, nevertheless, the College is constantly strengthening.

ADMISSION

The College of Medicine now offers a four year course leading to the degree of Doctor of Medicine, or a student may, if he prefers, pursue a combined collegiate and medical course, receiving at the end of four years the bachelor's degree, and at the end of six years the degree of Doctor of Medicine.

In May, 1905, the entrance standard was raised to 32 points, or 16 units, which was especially noteworthy, since for the first time was set in the West a higher entrance standard than the four-year high school course. Now the faculty has voted to advance this limit so as to include one full year of college work, the change to take effect with January 1, 1908. This means that the course of study shall be five years above the four-year high school. The first year will be practically that of the six-year combined course, being devoted to German, chemistry, physics, and animal biology, with three hours of elective work. This combination has been offered for many years and recommended to all prospective medical students who could not take the six-year course. It agrees precisely with the work laid down for an ideal initial year by the Council on Medical Education of the American Medical Association.

Two points of some importance should be noted in connection with the proposed advance. The initial year, if taken at the University of Nebraska, is not subject to the fees of the professional course, but demands only the moderate charges for laboratory expenditures of the general scientific course. Secondly, the work may be taken at any college of

standard entrance requirements, provided the work outlined above is carried successfully. There are many colleges which cover the introductory work noted in an eminently satisfactory manner, and in such cases the student with proper credentials will be entered directly into the first year of professional work in medicine.

Candidates are admitted by examination or on certificate from accredited high schools, academies, or colleges. Women are admitted on the same terms as men. The requirements for admission are stated below.

Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session.

Applicants for admission present themselves to the registrar who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments and registration.

An applicant presenting a certificate from an accredited school, academy, or high school is admitted without examination to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the registrar and be prepared to take such examinations as are prescribed.

A student desiring to ascertain whether or not he can be admitted to the freshman class without examination should apply to the registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.

REQUIREMENTS FOR ADMISSION

For admission to the freshman class in the College of Medicine, until January 1, 1908, a candidate must present entrance "credits" equal to 32 "points" or a total of 160 recitation or credit hours. Conditional admission is permitted on the minimum of 24 credit points or 120 credit hours, but the student must remove all entrance requirements before he may be admitted to full sophomore standing.

A credit "point" presupposes the work of five recitations a week of not less than 40 minutes each during a period of at least 18 weeks. The requirements in detail are given below. The time element indicated with each subject is essential.

REQUIRED SUBJECTS—18 Points

Algebra (to simultaneous quadratics), 1 year, 5 hours a week.....	2
Geometry (Plane), 1 year, 5 hours a week.....	2
English Composition, 2 years, 5 hours a week.....	4
History (Greek and Roman or American), 1 year, 5 hours a week..	2
Language (2 points must be Latin), 2 years, 5 hours a week.....	4
Science (physics, together with chemistry, botany, or zoology), 2 years, 5 hours a week.....	4

OPTIONAL SUBJECTS—14 Points

In addition to these required subjects for which no substitutes are accepted, applicants must present evidence of

preparation in 14 points to be chosen from the following optional list :

English, 1 year, 5 hours a week.....	2
History, 3 years, 5 hours a week.....	6
Language, 3 years, 5 hours a week.....	6
Manual Training, 1 year, 5 hours a week.....	2
Mechanical Drawing, ½ year, 5 hours a week.....	1
Natural Science (botany, zoology), 1 year, 5 hours a week.....	2
Physical Science (chemistry, physics), 1 year, 5 hours a week.....	2
Trigonometry, ½ year, 5 hours a week.....	1
Astronomy	} each..... 1
Civics	
Geology	
Physical geography	
Physiology and hygiene	
Political economy	

As announced two years ago the requirements for entrance to the College of Medicine have been raised to include one year of college study above the high school course. This requirement affects all students entering after January 1, 1908. All students are advised to take the six year combined course.

REGISTRATION

Students are required to register promptly at the beginning of each semester.

To promote prompt registration a registration fee of \$3 is charged a student who, without good reason, fails to register during the first six week days of the semester. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

No regular student is registered for less than twelve (12) hours nor for more than eighteen (18) hours a semester without the dean's permission.

A student taking the combined six-year course for the degree of Bachelor of Science and the degree of Doctor of Medicine must matriculate and register in the College of Medicine at the beginning of the third year's work of the combined course and must regularly thereafter register as a student in the College of Medicine. If he is to be a candidate for the bachelor's degree, he must at the same time continue to register in the Industrial College.

The courses in human anatomy, pathology, and medical zoology are open only to students registered in the College of Medicine. A junior or senior in the College of Literature, Science, and the Arts or in the Industrial College may take any of these courses by registering as an unclassified student in the College of Medicine and paying the laboratory fees attached to the course or courses chosen and also a pro-rata tuition fee, provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than \$5 a semester.

When circumstances warrant and the accommodations are sufficient to allow it without detriment to the work of candidates for degrees, students not seeking a degree are admitted as unclassified.

Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration.

No student is allowed to change from one college to another without written permission to the registrar signed by the dean of each college concerned. A student so changing college must also pay a new matriculation fee of \$5.

No student may change his group or drop any study for which he has been regularly registered without written permission from the dean of his college.

Any change in a student's residence must be immediately reported to the registrar.

A leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for absence and not an excuse from any work.

If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

The dean of the college in which a student registers is that student's adviser. **Each dean has a consultation hour** in the deans' room, Administration Hall 104, where students may call seeking advice or encouragement in their work.

ADVANCED STANDING

Advanced standing may be granted as follows to applicants presenting proper credentials:

In accordance with the recommendation of the Association of American Medical Colleges, the University will not hereafter grant any time credit to holders of a bachelor's degree; this means that the total time spent by each student must include as a minimum four years of registration in a medical college.

There will be no change in the practice heretofore observed concerning subject credit. Applicants for credit in any particular subject are referred to the head of the department in

question for examination. In case subject credit is granted the student is free to use the time thus gained in such extra work as he may elect.

Students of other medical colleges of equal standing are, on presenting certificate of honorable dismissal, admitted to the class to which credentials issued by such colleges entitle them.

Applicants for advanced standing must offer admission credits equal to those required by this college.

Graduates of colleges of homeopathy or eclectic medicine requiring a four years' course are admitted to the senior year.

In all these cases the applicant for advanced standing must offer admission credits equal to those required by this college.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Doctor of Medicine are as follows:

1. The candidate must be twenty-one years of age.
2. His moral character must be unquestioned.
3. He must have complied with all the requirements of admission and have paid all his fees.
4. He must have completed all required courses and have passed a satisfactory examination on all required subjects in the curriculum.
5. He must have pursued the study of medicine four years and receive credit for at least four full courses of instruction in different years at medical schools in good standing. The last course he must have taken in this institution.

6. He must have undergone a full and satisfactory written and oral examination at the termination of the course.

SUMMER SESSION

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements and in certain lines of laboratory work.

COURSES AND METHODS OF INSTRUCTION

The course of study covers four years of nine months each. During the first two years those strictly scientific branches are pursued which form the basis for the technical studies of the last two years. In the laboratory independent work only is accepted. None of the courses are mere demonstrations. This objective method of instruction is followed not only in the laboratory study of the first two years but also in the clinical work of the last two, where constant use is made of the facts acquired from laboratory teaching in the fundamental branches.

The courses embrace also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired in the laboratory. Frequent quizzes and examinations test progress in each line of work.

The small number of students enrolled at present in the College affords unique opportunities for personal contact between teacher and pupil in the laboratory and permits work to be carried with a thoroughness otherwise impossible.

This fact also allows personal instruction in every topic, each student standing continually close to his instructors, which is of the utmost importance in the last two years of the course. The sectional method of clinical instruction, thereby rendered possible, brings the individual student in intimate contact with his clinical instructors, affords him an opportunity to study each case thoroughly and at short range, and allows him to secure a large amount of bedside instruction.

If a student finds it necessary to leave the University, he may obtain a certificate for his work in the medical course which will enable him to enter any other medical college belonging to the Association of American Medical Colleges.

EQUIPMENT

The work in Lincoln is given in the various laboratories of the University, which are well equipped with the necessary apparatus. A more detailed description of the facilities provided is found under the head of "Courses of Instruction" in connection with the different departments represented.

The college building in Omaha, completed in 1899, and situated at the corner of Twelfth and Pacific streets, embodies the best features of modern medical-school buildings. It is a brick and stone structure, having four stories above the basement.

On the first floor are the offices and faculty room, the students' lobby, and the free dispensary. The latter comprises a waiting room for patients, a drug room and numerous departmental clinic rooms for the systematic examination and treatment of patients.

On the second floor are the amphitheater with a seating capacity for 250, the library, the reading room, the X-ray room and a commodious coat room.

On the third floor are the chemical laboratory thirty by fifty feet in size, private rooms for the professors of surgical anatomy, chemistry and biology, and a smaller amphitheater with a stationary table to which gas and running water are supplied for practical demonstrations in these branches.

The fourth floor is wholly given up to microscopic work. The laboratories, occupying a space one hundred by thirty-five feet, have light on every side. Stationary tables for the preparation and mounting of specimens occupy the center of the room. These tables are supplied with gas and running water and are made as convenient as possible to conserve the student's time. In front of each window is a table furnished with gas attachments and Bunsen burners. In this room are lockers so that each student has a safe place for his working outfit.

The histological and pathological laboratories are commodious and provided with abundant light. The arrangement is such that the class may, at a moment's notice, be assembled from the laboratory desks to recitation benches at one end of the room, where demonstrations may be made from gross specimens by the use of series of blackboards or by means of projection apparatus.

During the past year clinical laboratory instructors have been added to the faculty, the clinical laboratories have been thoroughly equipped, and much time is devoted to the study of clinical pathology in the laboratories in connection with the lectures and clinics.

The museum has been enlarged, and affords well selected material for demonstration.

With the transfer of the entire work of the first two years to Lincoln, much additional space was set free which is being used for the expansion of advanced instruction and research.

CLINICAL FACILITIES

For practical teaching in all departments of medicine and surgery, this College has unusual clinical facilities. Its students have access to nine hospitals, in five of which they have exclusive clinical privileges.

Two new modern hospitals in Omaha and one in Council Bluffs are added this year to the list of institutions connected with the college. These institutions are under the exclusive control of the faculty, and students are admitted to the wards and amphitheatres for clinical instruction.

THE COLLEGE DISPENSARY

The College Dispensary on the first floor of the college building is designed for the gratuitous treatment of all worthy charitable cases that may apply. The space assigned includes a large reception room and adjoining consultation rooms for the separate examination and treatment of cases in surgery, medicine, gynecology, pediatrics, eye, ear, nose, throat, skin and genito-urinary diseases. A pharmacy department in charge of a trained pharmacist is also maintained in connection with the dispensary. Members of the clinical faculty, their assistants, and trained nurses, are in daily attendance from twelve to two o'clock. Students

in the Senior class are divided in rotation among the different departments, whereby they are put in close touch with the histories, examinations, diagnoses, and treatment of cases. The material available is ample to demonstrate the usual diseases and accidents met with in practice. Selected cases are specially demonstrated and enlarged upon before the entire class. Advanced students are often sent out from the clinic to see urgent cases at their homes and to make reports thereon to the instructor in charge. Students who have not had experience in dispensing drugs are assigned in rotation to the pharmacy, where they are instructed in writing and reading prescriptions and in compounding and dispensing drugs. The drug room is under the direction of a registered pharmacist.

THE NEBRASKA METHODIST HOSPITAL

In the Nebraska Methodist Hospital, which received over 1,200 patients last year, this College has exclusive clinical privileges. A new, commodious, fireproof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement, has been recently erected. It contains an operating pavilion and amphitheater seating about 100 persons and furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, orthopedics, internal medicine, ophthalmology and otology. From the graduating class two internes are selected for a year's services each, with provisional opportunities for extended work.

THE IMMANUEL HOSPITAL

In the Immanuel Hospital students of this College also have exclusive clinical privileges. This hospital is well arranged and thoroughly equipped for the application of scientific methods in the treatment of disease. It contains an operating amphitheater, accommodating about eighty students, with the seats so arranged that each student has an unobstructed view of the operator or instructor. During the past year a new wing has been added to this hospital increasing the capacity to sixty beds. Weekly clinics are held in internal medicine and surgery. Occasionally there are clinics in laryngology and rhinology. From the graduating class a resident physician is appointed soon after Commencement to serve one year. One or more students are given positions as assistants in their senior year.

DOUGLAS COUNTY HOSPITAL

The Douglas County Hospital, costing \$200,000 and accommodating 300 patients, includes a maternity pavilion and an insane department. This institution is, in reality, the charity hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this College have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians, both of whom are this year from this College, are appointed for one year by competitive examination each spring.

WISE MEMORIAL HOSPITAL

This hospital has been rebuilt and trebled in size. The new building is of stone, pressed brick, and iron construction; it is modern in every respect. There are sixty beds and two well equipped operating rooms. Clinics in medicine, otology, rhinology, and gynecology are held weekly in the amphitheaters. Two internes are chosen from the graduating class each year for a service of one year each. This hospital is located within walking distance of the College.

CHILD-SAVING INSTITUTE

In the Child-Saving Institute this College has exclusive clinical privileges. The Institute has outgrown its former quarters and now occupies a building especially constructed for its use. Its accommodations for sixty infants are constantly taxed. The opportunities for the study of the dressing, care and feeding of infants, and the diagnosis, progress and treatment of the different gastrointestinal and contagious diseases of childhood are here unexcelled in the middle West. Occasional outbreaks of infectious diseases in the constantly changing inmates afford unusual illustration of the subjects taught in the course of pediatrics.

THE JENNIE EDMUNDSON HOSPITAL, COUNCIL BLUFFS

This new Hospital at Council Bluffs is in professional charge of members of the faculty of this College. For surgical work its equipment is thorough, including a fine operating room. Frequent clinics are held in general medicine and in surgery, including railway and emergency surgery. The new building recently completed, containing seventy beds, is one of the most modern institutions in the west.

BANCROFT STREET RESCUE HOME

The Bancroft Street Rescue Home, a lying-in hospital, is under the personal direction of a member of the faculty of this College. In this institution are fifty beds for obstetric cases. Students are permitted to witness and assist in the examinations and deliveries of these cases. In a number of operations, including the application of the forceps and the repair of the perineum, students assist.

THE VISITING NURSES' ASSOCIATION

The search of the Visiting Nurses' Association for deserving, unattended sick furnishes the members of the faculty of obstetrics many cases of confinement. These are assigned to members of the senior class.

HOSPITAL APPOINTMENTS

The Glenwood Institute for the Feeble Minded affords a salaried position as a house physician for one graduate each year. At the Douglas County Hospital two internes are appointed by competitive examination each year. Two internes are chosen by competitive examinations given by the medical staff of the Omaha General Hospital. The following internships are filled exclusively from the graduating class of the College of Medicine for a service of one year: Two at the Nebraska Methodist Hospital; two at the Immanuel Hospital; two at the Wise Memorial Hospital; one at the Swedish Mission Hospital; one at the Jennie Edmundson Memorial Hospital.

Several graduates of the College secure positions each year in other hospitals in Nebraska and adjacent states.

The faculty receives frequent inquiries from superintendents of hospitals desiring recent graduates for such positions and all capable students desiring hospital training may obtain this inestimable advantage of a year's hospital service before entering upon private practice. The proportionate number of such positions open to the college will thus be seen to be far beyond that in the large majority of medical schools.

Two graduates may also secure for six months of each year positions as assistant police surgeons. This is a valuable experience, as from fifty to one hundred emergency cases are treated by these men each month. In addition to regular internships for the graduating class opportunities are afforded several students of the senior class to serve in the various hospitals affiliated with the College of Medicine. These positions do not conflict with the scheduled work of the college, and supply valuable experience to the students so engaged.

LIBRARIES

IN OMAHA

The College Library contains about 1,000 volumes including an up-to-date collection of text-books covering the entire range of medical science. This collection does not obviate the necessity of students having their own textbooks but offers greater opportunities for investigation of subjects in which they are specially interested. Periodical literature is also on file.

The Omaha Public Library contains 60,000 volumes including a good medical library, the use of which is free to students in the College.

IN LINCOLN

The following libraries, aggregating 167,000 volumes, are accessible to students in Lincoln :

The University Library of 70,000 volumes is strong in those scientific lines wherein lies the first two years' work of the student of medicine. It includes special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology, and medicine. It also includes the library of the Nebraska State Medical Society.

The Lincoln City Library, of 18,000 volumes, also has an alcove devoted exclusively to medical literature.

The State Library of 53,000 volumes at the Capitol includes valuable medical works in certain lines.

The Nebraska State Historical Society Library of 26,000 volumes, contains useful series of public documents such as reports of state boards of health and of state hospitals and other institutions.

PUBLICATIONS

A quarterly bulletin containing papers embodying the results of original research is published and offered in exchange for similar publications which are desirable for the library.

SOCIETIES

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. The annual meeting is held in Omaha on Commencement day. Members of the association are requested to notify the registrar and the secretary of the association when they change their address.

The Medical Society of the University of Nebraska, at Lincoln, aims to increase professional spirit and to keep its members in touch with recent progress. Any student in the University at Lincoln looking forward to medicine is eligible to membership. Topics of general interest are taken up at the weekly meetings. Prominent men address the society monthly on topics of special interest. Besides promoting fellowship among students of medicine it also offers some social advantages in other directions.

FEES AND EXPENSES

All fees and charges are payable in advance to the secretary of the University in Lincoln or at the office of the associate dean at the College in Omaha. No part of the fees can be refunded to students who leave during the session, but in case the student takes up the same work again no additional charge is made for the part omitted.

The schedule of fees in the College of Medicine is as follows:

Matriculation fee.....	\$5
Diploma fee.....	5
No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.	
Special certificate of standing	\$5

FIRST-YEAR AND SECOND-YEAR FEES

Tuition, first semester.....	\$25
Tuition, second semester.....	20
For Anatomy only, each semester	15

LABORATORY FEES

Anatomy 1, 2, 3	each \$10
Anatomy 4	3
Anatomy 8	5

LABORATORY FEES—Continued

Anatomy 11, 12.....	graduated	
Bacteriology 1.....		\$ 8
Pathology 2.....		10
Pathology 4.....		4
Chemistry 1, 2, 3, 4, 34.....	each	5
Chemistry A, B.....	"	8
Histology and embryology (Zoology 9, 10).....	"	5
Pharmaco-dynamics 1, 2.....	"	4
Physiology 1, 2.....	"	3
Physiology 3.....		4
Zoology 1, 2, general and medical.....	each	2
Demonstration courses.....		6

JUNIOR YEAR—OMAHA

Fees for all required exercises, including all laboratory and clinic fees.....	\$80
Breakage deposit.....	10
Examination fee.....	10

SENIOR YEAR—OMAHA

Fees for all required exercises, including laboratory and clinic fees..	\$80
Breakage deposit.....	10
Examination fee.....	10

Breakage in the laboratory and damage to the college property are charged to the individual or class responsible. In case the damage can not be located, it is charged to the class pro rata.

All fees are payable strictly in advance when the session opens. A student is not entitled to appear for any one of his final examinations until all his fees are paid.

A graduate of any recognized medical college who desires to attend the Omaha department of the University College of Medicine may do so by paying a fee of \$10.

In Omaha board and lodging cost from \$3 to \$5 a week. By means of clubs students materially reduce this expense.

The Young Men's Christian Association issues to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the association's building—baths, gymnasium, parlors, lectures, and concerts.

In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

GENERAL COLLEGE PRIVILEGES

Students in the College of Medicine have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is also offered.

SIX-YEAR COMBINED COLLEGIATE AND MEDICAL COURSE

The entrance requirements are those of the Industrial College, given in the announcement for that college.

Whenever possible, the student is advised to take this combined course, which leads to the bachelor's degree at the conclusion of four years, and to that of Doctor of Medicine at the end of six years. The work in Lincoln is known as that of the pre-medical group, which was

adopted by the Board of Regents, April, 1902. The work of the group lays a broad foundation for the technical work of the last two years and gives the student not only the best possible training but also the advantage of possessing the bachelor's degree.

If one wishes to complete both courses within six years, it is not possible to deviate materially from the program outlined below.

Details in regard to the non-technical courses which appear in this schedule, such as rhetoric, should be secured from the announcement of the undergraduate college.

FIRST YEAR

	1st Semester Hours	2nd Semester Hours
General and Inorganic Chemistry (Chemistry 1, 2)	2	2
Physics 1, 2	3	3
Modern Language (German)	5	5
General and Medical Zoology (Zoology 1, 2)	3	3
Rhetoric 1, 2	2	2
Osteology (Zoology 8a)		2
Military Drill	1	1
	<hr/> 16	<hr/> 18

SECOND YEAR

Physics 3, 4	2	2
Organic Chemistry, (Chemistry 3, 4)	3	3
Invertebrate and Vertebrate Morphology (Zoology 5, 8)	4	4
Modern Language (German or French)	5	5
Hygiene 1	2	
Military Drill	1	1
	<hr/> 17	<hr/> 15

THIRD YEAR

General Botany (Botany 1, 2)	3	3
General Physiology (Physiology 1, 2)	2	2
Physiological Chemistry (Chemistry 34)		4
Philosophy 1	3	
Histology and Embryology (Zoology 9, 10)	3	3
General and Practical Anatomy (Anatomy 1, 2)	4	4
	<hr/> 15	<hr/> 16

FOURTH YEAR		1st Semester Hours	2nd Semester Hours
Regional and Practical Anatomy (Anatomy 3)...		4	
Applied Anatomy (Anatomy 4)			2
Anatomy of the Nervous System (Anatomy 8) ...			2
Bacteriology and Pathology 1, 2			5
Urinary Analysis and Toxicology (Chemistry 41)		4	
Advanced Physiology (Physiology 3)		3	
Pharmaco-dynamics		2	2
History of Medicine.		1	1
Clinical Diagnosis (Pathology 4)			1
Demonstration Courses			2
		18	15

FIFTH YEAR		
Bacteriology and Pathology	1	
Therapeutics	2	
Surgical Anatomy	1	
Physical Diagnosis	1	
Medicine	4	
Surgery	4	
Obstetrics	3	
Bandaging and Dressing	1	
Prescription-Writing, Electro-Therapeutics	1	
Materia Medica and Pharmacology	3	
	21	

SIXTH YEAR		
Medicine	4	
Surgery	4	
Obstetrics	2	
Gynecology	1	
Eye and Ear	1	
Nose and Throat	1	
Nervous Diseases	1	
Pediatrics	1	
Dermatology	1	
Genito-Urinary Surgery	1	
Railway Surgery, Dental Surgery	1	
Medical Jurisprudence, Life Insurance	1	
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NOTE.—In addition there are section clinics running all the year.

FOUR-YEAR MEDICAL COURSE

The course embraces four years of graded instruction, eight to nine months each, outlined in the following synopsis. To this course all students must conform. The year is divided into two semesters, approximately eighteen weeks each.

Examinations are held at the end of each year in all the work covered. Students failing in any of the final examinations of the year must pass such examinations either at the opening of the ensuing session or during the Christmas vacation following. Students failing in more than one-third of the work must take the entire work again.

FRESHMAN YEAR

	1st Semester Hours	2nd Semester Hours
General and Practical Anatomy (Anatomy 1, 2) ..	4	4
Anatomy of the Nervous System (Anatomy 8)....	....	2
General and Inorganic Chemistry (Chemistry 1, 2)	2	2
General Physiology (Physiology 1, 2)	2	2
Histology and Embryology (Zoology 9, 10).....	3	3
General and Medical Zoology (Zoology 1, 2).....	3	3
History of Medicine 1, 2.....	1	1
	<hr/> 15	<hr/> 17

SOPHOMORE YEAR

Regional and Practical Anatomy (Anatomy 3)....	4	....
Applied Anatomy (Anatomy 4) .....	....	2
Organic Chemistry (Chemistry 3)	3	....
Physiological Chemistry (Chemistry 34).....	....	4
Advanced Physiology (Physiology 3).....	3	....
Pharmaco-dynamics	2	2
Bacteriology.....	4	....
Pathology 2 .....	....	5
Clinical Diagnosis (Pathology 4) .....	....	1
Demonstration Courses.....	1	2
Mental Pathology.....	1	1
	<hr/> 18	<hr/> 17

Bacteriology.....	1
Therapeutics.....	2
Surgical Anatomy.....	1
Physical Diagnosis.....	1
Medicine.....	4
Surgery.....	4
Obstetrics.....	3
Bandaging and Dressing.....	1
Prescription-Writing, Electro-Therapeutics.....	1
Materia Medica and Pharmacology.....	3

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SENIOR YEAR

Medicine.....	4
Surgery.....	4
Obstetrics.....	2
Gynecology.....	1
Eye and Ear.....	1
Nose and Throat.....	1
Nervous Diseases.....	1
Pediatrics.....	1
Dermatology.....	1
Genito-Urinary Surgery.....	1
Railway Surgery, Dental Surgery.....	1
Medical Jurisprudence, Life Insurance.....	1

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NOTE.—In addition there are section clinics running all the year.

COURSES OF INSTRUCTION

ANATOMY

PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER; IN OMAHA

ASSOCIATE PROFESSOR STOKES

This department aims to present the subject of human anatomy in a thoroughly scientific manner. Individual quizzes upon the subject; class quizzes twice a week; a thorough demonstration by each individual student at the close of each dissection of a part; and occasional review quizzes to test the student's ability to retain the knowledge gained, are required. The modeling of bones and drawing of them and of soft parts from the subject as exposed in dissection are also prescribed in the course. The lectures supplement the laboratory course, dealing with the facts of embryology, comparative vertebrate anatomy, etc., and adding breadth to the students' view of the field.

The different courses are so arranged as to secure a logical development of the subject. In the first year of the four-year course the ground covered is osteology, a practice dissection on the dog, and on the cadaver, the arm, leg, trunk-wall, and urino-genital organs (Anatomy 1, 2), together with the central nervous system (Anatomy 8); in the first two years of the six-year course there is added a complete course in comparative vertebrate anatomy, comparative osteology, and eight weeks' dissection of the dog. In the following year the cadaver is finished in the first semester by the study of the head, neck, and viscera (Anatomy 3), while in the second semester is given a general review of the subject of descriptive anatomy (Anatomy 3), together with regional and topographical anatomy (Anatomy 4); the last leads up to surgical anatomy in the junior year (Anatomy 5, 6), and thus the student comes directly to the application of the subject in clinical work.

The laboratories include a room for work in osteology, a laboratory for dissection, locker-room, etc., and are well lighted. The laboratory work is all done in daylight hours, which gives the student opportunity to accomplish the very best results. To assist him in his work charts, models, anatomical preparations and carefully selected works of reference are close at hand for ready consultation.

COURSES

1. **General and Practical Anatomy**—Introductory principles of anatomy and general descriptive anatomy. Laboratory work: osteology; preliminary dissection on the dog; dissection of human subjects, including arm, leg and trunk, exclusive of the viscera; dissection of the urino-genital organs. One hour lecture. Two hours quiz. Eight hours laboratory. Four hours credit. First semester, freshman year.

PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER

2. **General and Practical Anatomy**—1 continued. Second semester.
3. **Advanced Practical Anatomy**—Laboratory work: dissection of subject, including head, neck, and viscera; serial sections of human body. Two hours quiz. Eight hours laboratory. Four hours credit. First semester, sophomore year. One hour general review quiz, second semester.

PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER

4. **Applied Anatomy**—Lectures and demonstrations on the cadaver; regional and topographical anatomy; anatomic details presented in their natural relationships and the practical application of the facts pointed out. Two hours attendance. Second semester, sophomore year. Two hours credit.

ADJUNCT PROFESSOR POYNTER

5. **Surgical Anatomy**—Lectures, illustrated by charts, models and museum specimens, together with practical work on the cadaver. Designed to apply anatomy to surgery, and the anatomical conditions discussed in detail are those directly related to surgical practice. One hour lecture. First semester, junior year.

ASSOCIATE PROFESSOR STOKES

6. **Surgical Anatomy**—5 continued. Second semester.
8. **Anatomy of the Nervous System**—Including a study of the organs of special sense. One hour quiz. Four hours laboratory. Two hours credit. Second semester, freshman year. PROFESSOR WOLCOTT.
11. **Advanced Anatomy**—For those who have had Anatomy 1, 2 and 3, or a complete dissection of the body, and who desire to review the subject or to cover the anatomy of certain regions. Credit from two to five hours. Fee graduated. First semester. PROFESSOR WOLCOTT.
12. **Advanced Anatomy**—Continuation of course 11. Second semester.

PROFESSOR WOLCOTT.

BACTERIOLOGY AND PATHOLOGY

PROFESSOR WAITE, DOCTOR PILSBURY, DOCTOR MAYHEW,
DOCTOR BLISS

BACTERIOLOGY

This course aims to build a firm foundation for the subsequent practical work in bacteriology. The study of form, structure, multiplication, requirements of growth and the chemical products is followed by applying the facts acquired to fermentation and putrefaction. In the latter half of the course pathogenic organisms are dealt with exclusively. The various ways in which bacteria gain entrance to the body, the changes which they bring about, and their final removal from the body are thoroughly explained. Attenuation and immunity are carefully discussed. Each of the bacterial diseases is then considered from the point of view of etiology. In the laboratory the preparation of culture media is first taken up. This is followed by a study of their growth on the various media. By these means both non-pathogenic and pathogenic organisms are isolated and identified. A thorough grounding in disinfection and sterilization is required by practical application of the principles discussed in lecture. Animals are inoculated in the presence of the class, which is required to isolate the organisms from the tissues of the animal and grow them in pure culture. Special attention is given to the practical bearing of methods of bacteriological diagnosis.

1. Bacteriology—Four hours lecture and quizzes. Eight hours laboratory. Four hours credit. First semester, freshman year.

PROFESSOR WAITE

PATHOLOGY

The subject of general pathology is thoroughly reviewed. The origin of disease, disturbances of circulation, retrograde changes, inflammation and tumors are carefully studied. In conclusion the diseases of special organs are taken up according to their relative importance. In the laboratory the student is required to identify about one hundred and fifty specimens, and, with the aid of the instructor, work out departures from the normal. From the facts thus acquired a diagnosis is made. Descriptions of all sections and drawings of all typical specimens are required to familiarize the student with recording changes seen and to train him in accuracy of observation.

COURSES

2. **Pathology**—Four hours lecture and quizzes. Eight hours laboratory. Five hours credit. Second semester, sophomore year.

PROFESSOR WAITE

4. **Clinical Diagnosis**—Includes an extended study of the normal and pathological blood, urine, gastric fluid, feces and sputum. The blood is studied carefully in relation to its value in diagnosis and various laboratory methods of staining, counting and observation of all kinds of blood are carried out. In addition to the ordinary work of examining normal and pathologic gastric secretions, urine and feces special investigations are conducted along the lines of the relation of metabolism in health and disease to the ingesta and excreta. This course is made practical by means of clinical and bedside observations. Two hours attendance. One hour credit. Second semester, sophomore year.

DOCTOR MAYHEW

5. **Pathology**—Lecture, demonstration and quizzes covering the subjects of special bacteriology and pathology, and post-mortem technique. Two hours laboratory demonstrations. First semester, junior year.

DOCTOR BLISS

6. **Pathology**—3 continued. Second semester.

7. **Practical Clinical Pathology**—The class is divided into sections and each section is required, in rotation, to assume charge of all pathological specimens, sputum, urine and blood, secured from cases studied in clinics at the dispensary and the different hospitals; to examine the same in the pathological laboratory, under the supervision of the instructors in charge; and to make reports thereon before the class to the professor holding the clinic. Senior year.

DOCTOR BLISS

CHEMISTRY

PROFESSOR AVERY, ASSOCIATE PROFESSOR DALES,
MISS FOSSLER

A general survey of chemistry, inorganic and organic, including the nature of chemical processes and the use of apparatus.

Instruction by the lecture-laboratory method.

Advanced students having the necessary experience and knowledge do research work under guidance.

COURSES

- A. General Chemistry**—A review of the principal non-metallic elements followed by the study of the chief base-forming elements. This course is designed for students deficient in entrance requirements in chemistry. Four hours attendance. Eight hours laboratory. Four hours credit. First semester, freshman year.

PROFESSOR AVERY AND ASSISTANTS

- B. Elementary Analytical Chemistry**—To follow course A. The work of courses 1 and 2 combined. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester.

PROFESSOR AVERY AND ASSISTANTS

- 1. Qualitative Analysis**—Elementary course required of technical and scientific students. Must be preceded by course A or its equivalent (see announcement for College of Literature, Science and the Arts and the Industrial College.) Two hours attendance. Four hours laboratory. Two hours credit. First semester, freshman year.

ASSOCIATE PROFESSOR DALES

- 2. Qualitative Analysis**—1 continued. An introduction to quantitative analysis is included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester, freshman year.

ASSOCIATE PROFESSOR DALES AND ASSISTANTS

- 3. Elementary Organic Chemistry**—The important classes of organic substances. Preparation, in the laboratory, of typical compounds. Two hours attendance. Six hours laboratory. Three hours credit. First semester, sophomore year.

MISS FOSSLER

- 4. Elementary Organic Chemistry**—3 continued. Second semester.

- 34. Physiological Chemistry**—The organic compounds. The chemical processes of physiological importance, including the elements of urinalysis. For all four-year medical students. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester, sophomore year.

MISS FOSSLER

- 41. Urine Analysis and Toxicology**—Discussion of the chemical composition of the urine in health and in disease and the teaching of methods for the detection of abnormal constituents; study of the

physiological properties of and methods for detecting poisons. Must be preceded by courses 1, 2, 3 and 4. Four hours lecture. Eight hours laboratory. Four hours credit. First semester. Required only in the six-year course. MISS FOSSLER

HISTORY OF MEDICINE

DOCTOR ORR

1. **History of Medicine and Medical Literature**—A combined lecture and study course dealing with the men who have contributed to medical knowledge from the earliest times to the present. One hour lecture. One hour credit. First semester, freshman year.

DOCTOR ORR

2. **History of Medicine and Medical Literature**—1 continued. This course traces the development of medicine in its different branches simply as an abstract department of knowledge. Constant reading and note-taking are required. An acquaintance with library methods and with the literature is necessarily obtained. One hour lecture. One hour credit. Second semester, freshman year.

DOCTOR ORR

HYGIENE AND STATE MEDICINE

PROFESSOR TOWNE, PROFESSOR CLAPP

1. **Hygiene**—A brief history of the subject. Advantages of regular exercise. Bathing and clothing. Care of the eye. Respiration and circulation. Digestion; source, value and digestibility of foods. Stimulants and narcotics. Ventilation, heating, draining and plumbing. Special physiology and personal purity. Two hours attendance. Two hours credit. First semester. Required only in the six-year course.

PROFESSOR CLAPP

SANITATION AND STATE MEDICINE

3. **Sanitation and State Medicine**—Relation of the medical profession to public health. Theoretical consideration of the subject. Results of practical experience. Quarantine regulations of Nebraska. Air, water, climate, soil, heating, ventilation. Municipal and private water supply. Milk and food, sewage and the

disposal of waste. Public and private management of transmissible diseases. Epidemics, contagion, and disinfection. Two hours lecture. First semester, junior year. PROFESSOR TOWNE

4. **Sanitation and State Medicine**—3 continued. Second semester.

PHARMACO-DYNAMICS

ASSOCIATE PROFESSOR LYMAN

The physiological action of the principal drugs used in medicine are studied in detail. The laboratory work consists of the injection of a drug into a lower animal. The amount necessary to produce the physiological effect is watched and the changes produced in the vital phenomena are observed. Finally the application of the drug is considered. Sufficient time will also be given the subject to thoroughly familiarize the student with the preparations of various drugs and their comparative values, methods of administration and conditions which influence their action.

1. **Pharmaco-Dynamics**—Combined lecture, demonstration, and laboratory course. Two hours credit. First semester, sophomore year.
ASSOCIATE PROFESSOR LYMAN
2. **Pharmaco-Dynamics**—1 continued. Second semester, sophomore year.
ASSOCIATE PROFESSOR LYMAN

PHYSIOLOGY

ASSOCIATE PROFESSOR GUENTHER

A consideration of the facts and theories underlying the functions of muscle and nerve, of secretion, digestion, absorption, blood and lymph, circulation, respiration, animal heat, metabolism, the central nervous system, special senses and reproduction.

1. **General Animal Physiology**—Combined lecture, demonstration and laboratory course. Two hours lecture. Three hours laboratory. Two hours credit. First semester, freshman year.
ASSOCIATE PROFESSOR GUENTHER
2. **General Animal Physiology**—1 continued. Second semester.

3. **Advanced Physiology**—Three hours lecture. Three hours laboratory. Three hours credit. First semester, sophomore year.

ASSOCIATE PROFESSOR GUENTHER

THERAPEUTICS

PROFESSOR CHRISTIE, DOCTOR ———, DOCTOR LEE

1. **Therapeutics**—This course consists of a consideration of all measures which have been found useful in the treatment of disease. The student is given a thorough understanding of the application of the methods, which are discussed and applied in detail in a number of typical cases. By following this method, it is believed he acquires a knowledge of fundamental facts which will enable him to treat scientifically other allied or unusual and complicated conditions with which he is sure to meet. The importance of diagnosis before treatment is constantly impressed upon the student while the hopelessness of any treatment in some conditions is brought home to him by practical demonstrations. The importance in certain cases of rest, exercise, general hygiene, diet, etc., is discussed. The drugs, the physiological action of which has been learned previously by experimental means, are considered by classes as purgatives, diuretics, expectorants, antipyretics, etc., and their indications and comparative value under varying conditions are studied. Every effort is made to prevent the student from becoming a therapeutic nihilist as well as to guard against blind polypharmacy. The various methods of producing counter-irritation, the technique of hydrotherapy, the importance of psychotherapy and of medical gymnastics are discussed and demonstrated. In the whole course it is the aim to keep the student thinking for himself and working out and demonstrating in the dispensary and outclinic the reasons for the treatment rather than to accept empirically all that is laid down for him. One hour lecture. One hour quiz. First semester, junior year.

PROFESSOR CHRISTIE, DOCTOR ———

2. **Therapeutics**—1 continued. Second semester, junior year.

PROFESSOR CHRISTIE, DOCTOR ———

5. **Prescription Writing**—The elements of prescription writing are considered. The prescriptions written during the week for actual cases by students and teachers, and filled at the dispensary, are

discussed and criticized, first by the students and then by the instructor. The importance of prescribing but one active drug in a prescription in order to obtain a definite result is insisted upon. One hour lecture. First semester, junior year.

DOCTOR —————

9. **Therapeutics**—The work of the Junior year is continued and is made practical, the student carrying out the therapeutic measures he has learned. He gives hypodermic injections, washes out the stomach, gives enemata, catheterizes, anesthetizes, removes pleural and abdominal effusions, follows the patient to his home where he observes conditions with which he has to deal, instructs him in the mode of life he must follow, the kind of clothing he must wear, the necessary diet, the manner of preparing simple foods, etc. One hour lecture. One hour quiz. First semester, senior year.

PROFESSOR CHRISTIE

10. **Therapeutics**—9 continued. Second semester, senior year.

PROFESSOR CHRISTIE

12. **Electro-Therapeutics**—The physics of electricity, the different varieties of currents and their indications, and method of application in the treatment of diseases. A few of the lectures are devoted to X-ray apparatus, and demonstrations of its application, and also to the technique of fluoroscopic examinations and radiography. The College possesses a complete electrical equipment, including a fine X-ray outfit, so that a fine demonstration course is possible. One hour lecture. Second semester, senior year.

PROFESSOR JENSEN

ZOOLOGY

PROFESSOR WARD, ASSOCIATE PROFESSOR WILLARD, ASSISTANT
PROFESSOR BARKER, ASSISTANT PROFESSOR POWERS

The laboratory has Zeiss and Leitz microscopes, Reinholt-Giltay, Minot and Thomas microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. The departmental library adjacent and freely accessible contains 2,000 works on animal morphology and physiology. A series of specimens from the Naples Zoological Station—one of injected tissues by Thiersch and embryological models by Ziegler and Dahlgren—are among the illustrative material.

GENERAL AND MEDICAL ZOOLOGY

- 1. Introduction to Animal Biology and Medical Zoology**—Fundamental properties of protoplasm. Structure and activities of the cell. Its division. Maturation and fertilization of reproductive cells. Their development and differentiation into germ layers, tissues, organs, and animals. Study of animals of special interest in clinical work as hæmatozoa and helminthes. Two hours lecture and quiz. Four hours laboratory. Three hours credit. First semester, freshman year. ASSISTANT PROFESSOR POWERS
- 2. Introduction to Animal Biology and Medical Zoology**—1 continued. Second semester.
- A. Introduction to Animal Biology and Medical Zoology**—For those who enter with the opening of the second semester. Five hours lectures and quiz. Eight hours laboratory. Five hours credit. ASSISTANT PROFESSOR BARKER
- 17. Animal Parasites of Man**—Laboratory study, with assigned reading. Two hours credit. Elective, sophomore year.

PROFESSOR WARD

HISTOLOGY AND EMBRYOLOGY

- 9. Normal Histology**—Microscopical structure of tissues and organs, illustrated by drawings, models and demonstrations with lantern and projection microscope. One hour lecture and quiz. Six hours laboratory. Three hours credit. First semester, freshman year. ASSOCIATE PROFESSOR WILLARD
- 10. Vertebrate Embryology**—Survey of general embryology. Review of the development of man. Laboratory work on the frog, chick and pig. Methods of graphic and plastic reconstruction. One hour lecture and quiz. Six hours laboratory. Three hours credit. Second semester, freshman year.

ASSOCIATE PROFESSOR WILLARD

DEMONSTRATION COURSES

DOCTOR ORR, DOCTOR LEHNHOFF, DOCTOR EVERETT

These courses are designed to serve as an introduction to the clinical instruction of the last two years. They are given in the second semester, sophomore year, each course running through five full weeks of actual instruction. Four hours attendance. Two hours credit.

- a. **Physical Diagnosis**—A demonstration course designed to show the methods of applying, for diagnostic purposes, the knowledge gained in the anatomical and physiological laboratories.

DOCTOR ORR

- b. **Operative Technique**—Lectures and demonstrations. As an introduction to the study of surgery the principles of asepsis, antiseptics and sterilization are considered. This is followed by practical demonstrations of the preparation of the operator and field of operation, of the operating room and of instruments. On the cadaver practical demonstrations are given of the methods of procedure in the ligation of vessels, suturing of wounds, and amputations with special reference to the topographical relations of the parts involved.

DOCTOR LEHNHOFF

- c. **Surgical Pathology**—Lectures and demonstrations in which the principles acquired in the pathological laboratory are applied to special organs and tissues. Ample gross and microscopical material supplemented by clinical cases are supplied from the Lincoln Sanitarium where two clinics are held weekly.

DOCTOR EVERETT

CLINICAL INSTRUCTION

With cases in all departments of medicine and surgery the student is brought face to face. The 200,000 population of Omaha, South Omaha, and Council Bluffs, with their manufacturing industries, furnish the hospitals a great variety of cases in all branches of medicine and surgery. For instruction in accident and railway surgery there are unusual opportunities.

SECTION CLINICS

At the beginning of each year the senior class is divided into sections of three students each. Some of these attend section clinics daily at the various hospitals, each professor inviting the sections in regular rotation. These section clinics, both medical and surgical, afford extensive facilities for the most effective kind of clinical teaching—individual instruction. In physical diagnosis the student has ample practice, being required to make examinations and to reach a logical diagnosis. The instructor explains each case as fully as possible and then outlines the treatment. By this section-clinic method of instruction the student gets much more positive information than he can in the large general clinics.

LECTURE AND CLINIC SCHEDULE (OMAHA)—JUNIOR YEAR

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8						
9		Bliss Pathology Laboratory	(a) (b) Bliss-Milroy Physical Diagnosis	Milroy Principles of Medicine	Bliss Pathology Laboratory	Immanuel Hospital Davis Surgical Clinic County Hospital Aikin Nervous Diseases Clinic Christie Milroy Bridges Medical Clinic
10	Hollister Surgery Recitation	Christie Therapeutics	Edmiston Surgical Dressings and Bandaging	Christie Therapeutics	Towne Sanitation and State Medicine	
11	Pollard Obstetrics Recitation	Bliss Physical Diagnosis Recitation	Pollard Obstetrics Recitation	Hollister Surgery Recitation	Pollard Obstetrics Bacteriology	
1	Stokes Genito-Urinary and Rectal Surgery Clinic	McClanahan Pediatrics Clinic	Dispensary and Drug Room Section	Dispensary and Drug Room Section	Milroy Medical Clinic	
2	Waite Bliss Pathology Laboratory	Davis Principles of Surgery	Peterson Medicine Recitation	Davis Principles of Surgery	Peterson Medicine Recitation	
3		Towne Sanitation and State Medicine	Hull Surgery Recitation	B. W. Christie (a) Pediatrics Recitation Bicknell (b) Ophthalmology and Otolary	Stokes Surgical Anatomy	
4	Lee Prescription Writing and Therapeutics	Goetz Medicine Recitation	Macrae (a) Railway Surgery Jensen (b) Electro- Therapeutics	Goetz Medicine Recitation	Hull Surgery Recitation	

(a)—First Semester.

(b)—Second Semester.

LECTURE AND CLINIC SCHEDULE (OMAHA)—SENIOR YEAR

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8	Clinical Laboratory			8 to 10 (b) Morison Operative Surgery	Clinical Laboratory	Immanuel Hospital Davis Surgical Clinic
9	Owen Laryngology and Rhinology	Gifford Ophthalmology and Otology	Methodist Hospital Jonas Surgical Clinic	Bliss Clinical Laboratory	Owen Laryngology and Rhinology Demonstration	County Hospital Aikin Nervous Diseases Clinic
10	Findley Gynecology	Stokes Genito-Urinary and Rectal Surgery		McClanahan Pediatrics	Findley Gynecology	Christie Milroy Bridges Medical Clinic
11	Jonas Surgical Conference	Jonas Practice of Surgery	Wise Hospital Hoffman Goetz Medical Clinic	Aikin (a) Nervous Diseases Schalek (b) Dermatology and Venereal Diseases Clinic	Jonas Orthopedic Surgery	Child Saving Institute McClanahan B. W. Christie Pediatrics Clinic
1	Stokes Genito-Urinary and Rectal Surgery Clinic	McClanahan Pediatrics Clinic	Findley Gynecological Clinic		Milroy Medical Clinic	
2	Somers Obstetrics	Aikin Nervous Diseases	Methodist Hospital Gifford Ophthalmology and Otology Clinic	Findley Heaney Gynecological Clinic	Somers Obstetrics	Jennie Edmundson Hospital Treynor Medical Clinic
3	Milroy Medicine Conference	Rhoads (a) Military Sanitation Mogridge (b) Arrested Development	Bridges-Gibbs Medical Clinic	Ward (a) Parasitic Diseases Page (b) Jurisprudence	Cloyd (a) Life Insurance Examinations Moore (b) Mental Diseases	Macrae Surgical Clinic
4	Schalek Dermatology	Bridges Medicine		Bridges Medicine Conference	Ramsey Fractures and Dislocations	

(a)—First Semester.

(b)—Second Semester.

CLINICAL DEPARTMENTS

INTERNAL MEDICINE

PROFESSOR BRIDGES, PROFESSOR MILROY, PROFESSOR HOFFMAN,
PROFESSOR TREYNOR, PROFESSOR WARD, DOCTOR
PETERSON, DOCTOR GOETZ, DOCTOR BLISS
CLINICAL ASSISTANTS: DOCTOR TRUELSEN, DOCTOR EDGINGTON

1. **Physical Diagnosis**—An exposition of the general principles of the subject, together with demonstrations of the topography of the head, chest, and abdomen. The student is taught the physical signs in health by means of direct personal examination, and the lectures treat of normal conditions. Two hours lecture and recitation. First semester, junior year. DOCTOR TRUELSEN
2. **Physical Diagnosis**—1 continued. The physical signs formed in disease, and their clinical demonstration on cases taken from the dispensary and hospital wards. Having familiarized himself with the interpretation of normal signs during the first semester, the student is thus more capable of appreciating abnormal signs resulting from disease. Second semester, junior year.
PROFESSOR MILROY, DOCTOR TRUELSEN
3. **Internal Medicine**—This course considers the general diseases, including infections and diseases of the stomach and intestines, lungs, and kidneys. Subjects including all diseases pertaining to internal medicine are assigned systematically, and regular recitations are held thereon, thus giving the student a more thorough theoretical knowledge of the etiology, pathology, symptomatology, diagnosis, and treatment of disease, than did the older method of didactic lecturing. In the clinic in the College building, the cases are selected from the out-door dispensary, and usually represent the seasonal diseases of ambulatory type. First semester, junior year. (a) One hour lecture. PROFESSOR MILROY. (b) Four hours recitation. DOCTORS PETERSON and GOETZ. (c) One hour clinic. PROFESSOR MILROY and DOCTOR TRUELSEN. One hour clinic, Douglas County Hospital or Immanuel Hospital.
4. **Internal Medicine**—3 continued. Second semester.

5. **Internal Medicine**—This includes subjects not lectured on in the junior year. Special consideration is given to the elucidation of cases seen in the hospital clinics, and of cases in private practice, illustrative of the subjects under consideration. Two hours weekly in conference. Members of the senior class are in rotation assigned cases for examination and study in the dispensary clinic or at one of the numerous hospitals, and are required to make full reports thereon before the class and the professor in charge. A full discussion and report of the case follow when the subjects of etiology, pathology, symptoms, diagnosis, prognosis, and treatment are thoroughly covered. Two clinics are held each week in the College building, where cases are selected from the large amount of material furnished by the dispensary. Two hours weekly are spent at the Douglas County Hospital or the Immanuel Hospital and one hour each at the Omaha and Wise Memorial Hospitals. In this work careful direction is given to the elaboration of clinical histories and to the physical examination of the chest and abdomen. Sputum, urine, and blood of patients under their observation are examined by sections of the class in the college laboratory under the direction of the professor of pathology and reports made thereon. First semester, senior year. (a) One hour lecture. Two hours conference. PROFESSORS BRIDGES and MILROY. (b) Two hours clinics in the College. PROFESSOR GIBBS, DOCTORS TRUELSEN and EDGINGTON. (c) Four hours hospital clinics. PROFESSORS MILROY, BRIDGES and HOFFMAN
6. **Internal Medicine**—5 continued. Second semester.
7. **Special Clinics**—To these clinics in the above-mentioned hospitals, and also in the Jennie Edmundson Hospital, Council Bluffs, sections of the senior class are invited in rotation. Especial attention is given to diseases of the heart, lungs, and kidneys. The small classes are enabled to make close study of cases. First semester, senior year. PROFESSORS BRIDGES, GIBBS, MILROY, HOFFMAN, and TREYNOR
8. **Special Clinics**—7 continued. Second semester.
9. **Animal Parasites and Parasitic Diseases**—Lectures on the structure, life history, and distribution of those animals which stand in especial relation to the etiology and transmission of disease. Laboratory exercises and demonstrations on the animal parasites of man, with the technique of helminthological diagnosis. One hour lecture. First semester, senior year. PROFESSOR WARD

11. **Life Insurance Examinations**—The examination of applicants for life insurance; the relation of different diseases to the expectancy of life; the influence of heredity, occupation, habits, and the professional relation of the examiner to the company. First semester, senior year.

DOCTOR CLOYD

SURGERY

PROFESSOR JONAS, PROFESSOR DAVIS, PROFESSOR MACRAE, PROFESSOR MACRAE, JR., ASSOCIATE PROFESSOR STOKES, ADJUNCT PROFESSOR UPDEGRAFF, DOCTOR HUNT, DOCTOR EDMISTON, DOCTOR HULL, DOCTOR MORISON, DOCTOR HOLLISTER

1. **Principles of Surgery**—The principles of surgery with a full description of the classification of tumors, their pathology, differentiation, relation to general diseases, manifestations, operative and non-operative methods of treatment. Subjects are assigned for recitation covering the lectures on the principles of surgery, surgical pathology and tumors, the practice of surgery, surgical diseases, fractures and dislocations. In the College Dispensary cases are presented for diagnosis, operation and treatment. At this clinic a considerable number of minor surgical cases receive attention, minor operations often being performed. The clinics at the Douglas County and Immanuel Hospitals, where operations are performed for all manner of surgical diseases, afford excellent opportunity for demonstrating the subjects of the lecture and recitation courses. The practical use of anesthetics, both local and general, receives due consideration at these clinics. First semester, junior year. (a) Two hours lecture. PROFESSOR DAVIS. (b) Four hours recitation. DOCTORS HULL and HOLLISTER. (c) Two hours dispensary clinic. One hour hospital clinic. PROFESSORS JONAS and DAVIS, ADJUNCT PROFESSOR UPDEGRAFF, DOCTORS HULL, MORISON and HOLLISTER
2. **Principles of Surgery**—1 continued. Second semester.
3. **Bandaging**—The uses and application of bandaging, plaster of Paris (including its preparation) and other surgical dressings. Under the direction of the instructor students are required to apply dressings. One hour weekly. First semester, junior year.

DOCTOR EDMISTON

5. **Practice of Surgery**—Covers part of the ground gone over in the recitations of the junior year. References to observations in hospital clinics are frequently recalled and elaborated to fix essential points in diagnosis and treatment. The subjects of the hospital clinics are brought up for conference in the class-room, when cases are more thoroughly discussed than the time allotted to operative work permits. Members of the class in rotation are assigned cases for examination, or illustrative cases are cited upon which they are required to make reports on diagnosis, pathology, and treatment. These reports are critically discussed in conference. Two hours general clinic at the College Dispensary, principally on minor surgery, including examination, diagnosis, treatment and minor operations. Two hours at the Nebraska Methodist Hospital in general and major surgery at which cases illustrative of the lecture course in practical surgery are thoroughly demonstrated, at which there are regular operations on all regions of the body. Two hours at Immanuel, Wise Memorial, or Douglas County Hospitals, also furnish opportunity for similar instruction. Members of the class are required to assist at operations and administer anesthetics under direction as occasions arise. First semester, senior year. (a) One hour lecture. One hour conference. PROFESSOR JONAS. (b) Six hours clinics. PROFESSORS JONAS and DAVIS.

6. **Practice of Surgery**—5 continued. Second semester.

8. **Demonstrations**—Each member of the class is individually instructed in performing surgical operations on the cadaver. He is required to master the details and steps of the more common operations necessary in practice, and is called on at times to perform ligations, amputations, excisions, celiotomes for various abdominal diseases, paracentesis, pleurotomy, rib resection, trephining. Second semester, senior year.

PROFESSOR JONAS, DOCTOR MORISON

9. **Section Clinics**—Special clinics by appointment in all of the hospitals mentioned above and the Jennie Edmundson Hospital, Council Bluffs. These clinics afford work in all branches of general and special surgery. First semester, senior year.

PROFESSORS JONAS, DAVIS, MACRAE, MACRAE JR.,
AND ASSOCIATE PROFESSOR STOKES

10. **Section Clinics**—9 continued. Second semester.
12. **Oral Surgery**—A short course of lectures on the surgery of the mouth, in its relation to diseases of the teeth, and alveolar processes; the care of the teeth and the influence of neglect of the mouth in the production of general and stomach disorders. Second semester, senior year. DOCTOR HUNT
13. **Laboratory Course in Surgical Pathology**—Gross and microscopic specimens are demonstrated from a diagnostic point of view. DOCTOR HOLLISTER

ORTHOPEDIC SURGERY

1. **Orthopedic Surgery**—A description of the various deformities, their diagnosis, pathology and treatment; also of the different joint diseases, their mechanical and other treatment. The practical study of the subjects of the lectures is pursued at the surgical clinics in the Omaha and Douglas County Hospitals. Operative procedures and the study of progress in the cases treated. One hour lecture. First semester, senior year. PROFESSOR JONAS
2. **Orthopedic Surgery**—1 continued. Second semester.

GENITO-URINARY SURGERY

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds, and local treatment of the mucous membrane of the urethra and bladder are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases, including syphilis in all stages. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

COURSES

1. **Genito-Urinary Surgery**—One hour lecture. One hour clinic. First semester, senior year. ASSOCIATE PROFESSOR STOKES
2. **Genito-Urinary Surgery**—1 continued. Second semester.
3. **Laboratory Demonstrations**—Practical demonstrations in the laboratory on the pathology of genito-urinary diseases. ASSOCIATE PROFESSOR STOKES

OBSTETRICS

PROFESSOR SOMERS, ADJUNCT PROFESSOR POLLARD,
DOCTOR HEANEY

For practical work in obstetrics the material is ample. Each student is shown one case during the last semester of the junior year, special advantages being afforded students remaining in the city during the summer months. The members of the class of 1905 saw from three to fifteen obstetrical cases apiece under the direction of DOCTORS SOMERS, POLLARD and ARTHUR. At the beginning of the senior year, 1906-7, each senior had attended from two to four cases in labor.

1. **Anatomy and Physiology of the Female Pelvic Organs**—The development of the ovum, the hygiene and management of pregnancy, its signs, diagnosis and pathology. The subject of the lectures is assigned for study and recitation. Three hours recitation. First semester, junior year.

ADJUNCT PROFESSOR POLLARD

2. **The Theory and Practice of Obstetrics as Applied to Normal and Abnormal Labor**—Lectures illustrated by charts, diagrams and models. Three hours lecture. Second semester, junior year.

ADJUNCT PROFESSOR POLLARD

3. **Obstetrics**—The mechanism of labor, difficult labor, the pathology of the puerperal state, and the new-born child. Exercises on the manikin in diagnosing position and presentation, including a review of the mechanism of normal and abnormal labor. Two hours lecture. First semester, senior year.

PROFESSOR SOMERS

4. **Obstetric Surgery**—Includes the history and description of the forceps, the perforator, the cranioclast, the cephalotribe, and the indication for, and method of their use. Two hours lecture. Second semester, senior year.

PROFESSOR SOMERS

5. **Attendance on Obstetrical Cases**—The various lying-in hospitals, including the Douglas County Hospital, with which this College has close affiliation, afford abundant opportunity for the assignment of obstetric cases to members of the senior class. Each student is required to attend five cases before receiving a certificate for graduation. During such attendance he is excused from the College exercises. Under the direction and in the presence of the

professor or one of his assistants, he is required to make examinations, both by abdominal and vaginal palpation, to suggest diagnosis, study the progress of labor, and, in case operative procedure is necessary, to witness and assist at such operation. The practical use of anesthetics in labor is also taught each student. First semester, senior year.

PROFESSOR SOMERS, ADJUNCT PROFESSOR POLLARD

- 7 **Pathology**—The normal and morbid anatomy of the placenta and pregnant and puerperal uterus are studied by practical demonstrations in the laboratory. First semester, junior year.

DOCTOR HEANEY

8. **Pathology**—7 continued. Second semester.

GYNECOLOGY

PROFESSOR FINDLEY, DOCTOR HEANEY. LABORATORY ASSISTANTS:
DOCTOR JEFFERSON, DOCTOR FAIRCHILD

The instruction in diseases of women consists largely of practical demonstrations. The lectures are illustrated by stereopticon views of pathological lesions and operative procedures, and in order that the student may be thoroughly grounded in the essentials of diagnosis, the lectures and clinics are supplemented by a laboratory course in gynecological diagnosis where gross and microscopic specimens of the various lesions of the female genitalia are demonstrated. The dispensary clinic, held daily in the College building, is regarded as a most important part of the clinical teaching. It is in these clinics that the student is trained in clinical diagnosis and where he may best be instructed in the principles of treatment. One college clinic each week is held in the Wise Memorial Hospital throughout both semesters where cases are presented for diagnosis and treatment.

1. **Gynecology**—The entire subject of gynecology is covered by didactic lectures and oral and written quizzes two days weekly. These are supplemented by the stereopticon and the demonstration of the instruments, casts, and pathological specimens. One hour a week during the first semester is devoted to practical demonstration of instruments, of methods of examination of patients, of history taking, etc. One clinic each week is given at the Wise Memorial Hospital where cases are presented for diagnosis and

operations. A special feature of the clinic is the opportunity given each student to make examinations under anesthesia. One hour each day of the week is devoted to clinics in the dispensary where small groups of students are permitted to examine patients, to write histories, and to apply local treatments. First semester, senior year. (a) Lectures. PROFESSOR FINDLEY. (b) Demonstrations. DOCTOR HEANEY. (c) Hospital clinic. PROFESSOR FINDLEY. (d) Dispensary clinics. DOCTORS HEANEY, JEFFERSON, and FAIRCHILD

2. **Gynecology**—1 continued. Second semester.
3. **Gynecological Diagnosis**—Laboratory course students are referred to the laboratory where the gross and microscopic pathology of gynecological lesions are studied. These demonstrations are given together with the lectures and clinics and are intended to supplement the amphitheater discussions of pathology. Special stress is laid upon microscopic diagnosis of uterine scrapings and excised pieces. Opportunity is afforded students to do special laboratory work on fresh material coming from the clinics. First semester, senior year. DOCTOR HEANEY
4. **Gynecological Diagnosis**—3 continued. Second semester.

OPHTHALMOLOGY AND OTOTOLOGY

PROFESSOR GIFFORD, ADJUNCT PROFESSOR BICKNELL,
DOCTOR LEMERE, DOCTOR PATTON

COURSES

1. **The Anatomy and Physiology of the Eye and Ear, and Practical Instruction in the Use of the Ophthalmoscope and Otoscope**—Each student has opportunities to study in the dark rooms at the College dispensary the appearances of the normal fundus of the eye and of the drum membrane of the ear. One hour weekly. Second semester, junior year. ADJUNCT PROFESSOR BICKNELL
3. **Ophthalmology and Otology**—The external and internal diseases of the eye and ear and their differential diagnosis, are systematically considered. The clinic at the Nebraska Methodist Hospital furnishes abundant opportunity for the student to observe cases illustrative of the lectures on the eye and ear and for the instruc-

tor thoroughly to impress on him these points in practical diagnosis. Section clinics in the College dispensary also furnish material in the more common affections of both eye and ear. First semester, senior year. (a) One hour lecture. PROFESSOR GIFFORD. (b) Hospital clinic. One hour weekly. PROFESSOR GIFFORD, ADJUNCT PROFESSOR BICKNELL. (c) Sectional clinic. DOCTOR LEMERE

4. Ophthalmology and Otology—3 continued. Second semester.

- 5. Elective Course**—A course on the general principles of spectacle-fitting will be given for the benefit of those who are especially interested. Either semester, senior year.

LARYNGOLOGY AND RHINOLOGY

PROFESSOR OWEN, DOCTOR LEMERE, DOCTOR WHERRY

- 1. Laryngology and Rhinology**—This course affords special study of the anatomy and physiology of the upper respiratory tract, and the diseases of the nose, throat, and larynx, and their dependence upon and relation to the various constitutional infections and dyscrasiae. One hour lecture. First semester, senior year.

PROFESSOR OWEN

- 2. Laryngology and Rhinology**—1 continued. Second semester, senior year.

- 3. Principles and Use of the Laryngoscope and Rhinoscope**—The practical application of these instruments in a study of the normal appearances of the nose, throat, and larynx. For this work a dark room with artificial light is provided in the College dispensary. One hour weekly. First semester, senior year.

DOCTOR LEMERE, DOCTOR WHERRY

- 4. Clinic**—The dispensary clinic furnishes material for the study of all diseases of the nose, throat and larynx. Having familiarized themselves with the normal appearances and the use of the instruments during the first semester, students are now prepared for practical instruction in the pathology, diagnosis, and treatment of diseased organs. Section clinics and operations in the Wise Memorial and Immanuel Hospitals. One hour weekly. Second semester, senior year.

PROFESSOR OWEN, DOCTORS LEMERE AND WHERRY

DERMATOLOGY AND VENEREAL DISEASES

PROFESSOR SCHALEK

One lecture a week is given throughout the session. Finely executed plates and lantern slides, representing the various diseases of the skin, illustrate the lectures, thus enabling the student to become familiar with the appearance of the characteristic cutaneous lesions. The first three quarters of the lecture course deal with dermatology, the last quarter with syphilis and genito-urinary diseases. A clinic in the College Dispensary, every other week, furnishes the student ample opportunity to familiarize himself with the differential diagnosis of many skin diseases, to study the progress of the cases and to note the effect of treatment. From time to time the students are taken to the hospitals to see patients at the bedside. Cutaneous pathology and the use of the X-ray are given special consideration.

COURSES

1. **Dermatology**—One hour lecture. Clinic, with demonstration of patients or specimens, one hour bi-weekly. X-ray therapeutics, time to be announced. First semester, senior year.

PROFESSOR SCHALEK

2. **Dermatology and Venereal Diseases**—First half semester, course 1, continued. Second half semester, lectures on syphilis and venereal diseases, with demonstration of cases, six hours monthly. Second semester, senior year.

PROFESSOR SCHALEK

PEDIATRICS

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

1. **Pediatrics**—This course considers all the gastro-intestinal diseases, the infections, the discrasiae and the important part played by errors of diet in their production. Milk modification in all its methods are described in detail, including the working out of percentages. The history and technique of intubation receives attention. Clinics at the College Dispensary where many cases of the ordinary affections of infancy and childhood appear, afford practical application of the subject of the lectures. One hour lecture. One hour clinic. First semester, senior year.

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

2. **Pediatrics**—1 continued. Second semester.
3. **Care of Children**—Instruction in the care, hygiene and feeding of infants, cranial measurements, and physical development. One hour lecture. First semester, senior year. DOCTOR CHRISTIE
4. **Section Clinics in Pediatrics**—Clinics at the Child-Saving Institute, where it is frequently possible to demonstrate practically the contagions, measles, scarlet fever and whooping cough, as they occur in epidemic form. First semester, senior year.
PROFESSOR McCLANAHAN, DOCTOR CHRISTIE
5. **Section Clinics in Pediatrics**—4 continued. Second semester.

MENTAL AND NERVOUS DISEASES

PROFESSOR MOORE, PROFESSOR AIKIN, DOCTOR MOGRIDGE

1. **Mental Diseases**—A study of the different forms of insanity; their causes, symptoms, diagnosis, prognosis and treatment. One hour lecture. First semester, senior year. PROFESSOR MOORE
3. **Diseases of the Nervous System**—Didactic lectures on the anatomy and physiology of the brain and spinal cord, with their meninges, also of the cranial and spinal nerves. Differential diagnosis is studied by comparison of abnormal with normal function. Pathological conditions are described and located. Students are given the personal study of patients at the College and in the Douglas County Hospital, where an unusual variety of nervous and mental disorders can be seen and studied. Private cases, as special clinics, are shown in the Methodist and Immanuel Hospitals. The differential diagnosis of functional and organic disorders will be studied at length. In treatment there is careful consideration of the mental, moral, and material therapeutics of verified value, with their application to individual cases. One hour lecture. One hour clinic. First semester, senior year. PROFESSOR AIKIN
4. **Diseases of the Nervous System**—3 continued. Second semester.
6. **Arrested Development**—This course considers the causes, manifestations and diagnosis of arrested development. The class spends a day at the Glenwood, Iowa, Institution for the Feeble-Minded. One hour lecture. Second semester, senior year.

DOCTOR MOGRIDGE

MEDICAL JURISPRUDENCE

MR. PAGE

1. **Medical Jurisprudence**—Physician's contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance examinations. Injuries and deaths. Poison, identity and survivorship. Sexual relations. Quarantine sanitation. Medical legislation. Twelve lectures. Second semester, senior year. MR. PAGE

APPENDIX

GRADUATE WORK IN MEDICINE

To provide for a more thoro training in medicine the University proposes to encourage an optional year of graduate study under the following conditions: (1) Research work in any one of its departments; (2) an internship in some approved hospital; (3) advanced study in some appropriate field at a research laboratory or other institution of higher learning.

At the close of the additional year the student may be recommended to receive the degree of Doctor of Medicine cum laude, provided he has been in residence for a period covering at least the academic year of the University, presents a thesis satisfactory to his advisory committee, and is favorably recommended to the faculty by this committee.

A student desiring to become a candidate for the fifth year's work must register his purpose in writing with the dean on or before Commencement Day of the year preceding such advanced study.

Normally hospital internships shall be taken in some one of the affiliated hospitals; all other cases must be the subject of specific request and approval by the faculty on recommendation of the deans. Approval must also be secured from such hospitals and the chief of the staff must express in writing his willingness to accept the interne and to carry out the conditions laid down by the committee for such work in affiliated hospitals.

